

analyte and NAD(P)⁺ dependent enzyme with the mediator compound of step a);
and

c) applying an electrical potential at an electrode to reoxidize the mediator compound reduced in oxidizing NAD(P)H and observing the resultant current,

02 wherein some of the mediator compound is being reduced by reaction with NAD(P)H while some of the mediator compound is being oxidized by transfer of electrons to said electrode during a measurement period and the rate of oxidation of the mediator compound over said measurement period and consequently the resultant observed current is monotonically related to the concentration of analyte in the sample.

SUB B3 / 7. (Once amended) The process of claim 6 wherein the current
G3 observed during the measurement period is linearly related to the concentration of analyte in the sample.

Please add claims 12-15 as follows:

12. (New) The electrode strip of claim 1, wherein the mediator compound is 1,7-phenanthroline quinone.

13. (New) The electrode strip of claim 1, wherein the mediator compound is 4,7-phenanthroline quinone.

G4 14. (New) The process of claim 5, wherein the mediator component is 1,7-phenanthroline quinone.

15. (New) The process of claim 5, wherein the mediator component is 4,7-phenanthroline quinone.